INFURMATION DISCLOSURE				ATTORNEY'S L. No. 028723-016		APPLICATION No. 08/487,974		
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		Ú	.S. PATENT D	OCUMENTS				
EXAMINER'S INITIALS	PATENT NO.	DATE		NAME	CLASS	SUBCLASS	FILING DATE	
DM	4,683,202	7/1987	Mullis	· · · · · · · · · · · · · · · · · · ·	435	91	<u> </u>	
AM	4,755,458	7/1988	Rabbani et al		435	5		
DM	5,085,983	2/1992	Scanlon		435	6		
AM	5,427,932	6/1995	Weier et al		435	91.2		
AM	5,447,841	9/1995	Gray et al		435	6		
AM	5,472,842	12/1995	Stokke et al	· · · · · · · · · · · · · · · · · · ·	435	6		
		EORE	IGN PATENTS	DOCUMENTS				
EXAMINER'S INITIALS	PATENT NO.	DATE		IAME	CLASS	SUBCLASS	FILING DATE	
MM	0430402	6/1991		rope	-	- COBOCAGO		
	OTHER DOC	UMENTS (Inc	cluding Author	Title, Date, Pert	nent Pag	es, Etc.)		
	Boyle et al, "Differential Distribution of Long and Short Interspersed Element Sequences in the Mouse Genome: Chromosome Karyotyping By-Fluorescence In Situ Hybridization," PNAS (USA), Vol. 87, Oct. 1990, pp. 7757-7761							
AM	Brock et al, "Quantitative in situ Hybridization Reveals Extent of Sequence Homology Between Related DNA Sequences in <i>Drosophila melanogaster</i> ," CHROMOSOMA, Vol. 83, No. 2, pp. 159-168							
	Bufton et al, "A Highly Polymorphic Locus On Chromosome 16q Revealed By A Probe From A Chromosome-Specific Cosmid Library," <u>Human Genetics</u> , Vol. 74, 1986, pp. 425-431							
	Bufton et al, "Four Restriction Fragment Length Polymorphisms Revealed By Probes From A Single Cosmid Map To Human Chromosome 19," Am J Hum Genet, Vol. 38, 1986, pp. 447-460							
	Burk et al, "Organization and Chromosomal Specificity of Autosomal Homologs of Human Y Chromosome Repeated DNA," Chromosoma, Vol. 92, 1985, pp. 225-233							
	Buroker et al, "Four Restriction Fragment Length Polymorphisms Revealed By Probes From A Single Cosmid Map To Human Chromosome 12q," <u>Human Genetics</u> , Vol. 72, 1986, pp. 86-94							
	Coté et al, "Quantitation of in situ Hybridization of Ribosomal Ribonucleic Acids to Human Diploid Cells," Chromosoma, Vol. 80, 1980, pp. 349-367							
	Cremer et al, "Preparative Dual-Beam Sorting of the Human Y Chromosome and In Situ Hybridization of Cloned DNA Probes," <u>Cytometry</u> , Vol. 5, 1984, pp. 572-579							
	Davies, "The Application of DNA Recombinant Technology to the Analysis of the Human Genetics, Vol. 58, 1981, pp. 351-357							
EXAMINER	Lidon Maison	las		TE CONSIDERED				

INFORMATION DISCLOSURE	ATTORNEY'S DKT N 028723-016	APPLICATION NO. 08/487,974					
CITATION	APPLICANT Joe W. GRAY et al						
PTO-1449	FILING DATE June 7, 1995	GROUP 1807					
OTHER DOCUMENTS (Including Author	**************************************						
Bisexual Relatives," Chromosoma, Vol. 83	Dennis et al, "Cytogenetics of the Parthenogenetic Grasshopper Warrameba virgo and Its Bisexual Relatives," Chromosoma, Vol. 82, 1981, pp. 453-469						
Dutrillaux et al, "Characterization of Chro Cancer Genet, Cytogenet, Vol. 49, (199	Dutrillaux et al, "Characterization of Chromosomal Anomalies in Human Breast Cancer," Cancer Genet. Cytogenet., Vol. 49, (1990), pp. 203-217						
Gerhard et al. "Localization Of a Unique O	Gerhard et al. "Localization Of a Unique Gene By Direct Hybridization in situ," PNAS,						
Haase et al, "Detection of Two Viral Genin Situ and Color Microradioautography,"	omes in Single Cells By Do Science, Vol. 227, 1985,	uble-Label Hybridization pp. 189-192					
Holden et al, "Amplified Sequences from Organizer Regions, and Centromeric Hete	Holden et al, "Amplified Sequences from Chromosome 15, Including Centromeres, Nucleola Organizer Regions, and Centromeric Heterochromatin, in Homogeneously Staining Regions in the Human Melanoma Cell Line MeWo," Cancer Genet. & Ovtogenet., Vol. 14, 1985, pp.						
Houldsworth et al, "Comparative Genomi Vol. 145, No. 6, 1994, pp. 1253-1260	Houldsworth et al, "Comparative Genomic Hybridization. An Overview," Am. J. Patholo						
	Kallioniemi et al, "Comparative Genomic Hybridization for Molecular Cytogenetic Analysis of Solid Tumors," Science, Vol. 258, 1992, pp. 818-821						
Kallioniemi et al, "Optimizing Comparative Sequence Copy Number Changes in Solice Vol. 10, 1994, pp. 231-243	Kallioniemi et al, "Optimizing Comparative Genemic Hybridization for Analysis of DNA Sequence Copy Number Changes in Solid Tumors," Genes, Chromosomes & Cancer,						
Krumlauf et al, "Construction and Charac	Krumlauf et al, "Construction and Characterization of Genomic Libraries From Specific Human Chromosomes," PNAS, Yol. 79, 1982, pp. 2971-2975						
Kunkel et al, "Organization and Heteroge Human Y Chromosome Deexyribonucleic	Kunkel et al, "Organization and Heterogeneity of Sequences Within A Repeating Unit Of Human Y Chromosome Deexyribonucleic Acid," <u>Biochem.</u> , Vol. 18, 1979, pp. 3343-3353						
Landegent et al, "Fine Mapping Of The H Radioactive In Situ Hybridization," Huma	Landegent et al, "Fine Mapping Of The Huntington Disease Linked Q4S10 Locus By Non-Radioactive In Situ Hybridization," <u>Human Genetics</u> , Vol. 73, 1986, pp. 354-357						
Reaction Probes for Rapid Characterization	Lichter et al, "Fluerescence <i>In Situ</i> Hybridization with <i>Alu</i> and L1 Polymerase Chain Reaction Probes for Rapid Characterization of Human Chromosomes in Hybrid Cell Lines," PNAS (USA), Vol. 87, Sept. 1990, pp. 6634-6638						
Litt et al A Highly Polymorphic Locus Ir	Litt et al "A Highly Polymorphic Locus In Human DNA Revealed By Probes From Cosmid 1-5 Maps To Chromosome 2q35-37," Am J Hum Genet, Vol. 38, 1986, pp. 288-296						
	Litt et al, "A Polymorphic Locus On The Long Arm Of Chromosome 20 Defined By Two Probes From A Single Cosmid," <u>Human Genetics</u> , Vol. 73, 1986, pp. 340-345						
Lux et al, "Hereditary spherocytosis asso gene on chromosome 8," Nature, Vol. 3							
	Malcolm et al, "Chromosomal Localization Of A Single Copy Gene By in situ Hybridization - Human ß Globin Genes On The Short Arm Of Chromosome 11," Ann. Hum. Genet.,						
Nelson et al, "Genomic Mismatch Scann	Nelson et al, "Genomic Mismatch Scanning: A New Approach To Genetic Linkage Mapping," Nature Genetics, Vol. 4, 1993, pp. 11-18						
EXAMINER Andrin Marshel	DATE CONSIDERED						

INFORMATION DISCLOSURE CITATION			ATTORNEY'S No. 028723-016		APPLICATION No. 08/487,974				
				APPLICANT Joe W. GRAY et al					
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	OTHER DOC	UMENTS (In	cluding Autho	or, Title, Date, Pert	nent Pag	jes, Etc.)			
		•	•	n, and Rearrangem " <u>Cancer Research</u>		_			
	*	•		epetitive DNA Seq 1, pp. 471-492	uence In	In Isogenic Lines of			
	Rabin, "Mapping Minimally Reiterated Genes On Diploid Chromosomes By In Situ Hybridization," thesis, Dept. of Biochemistry, Univ. III., 1982						.		
		Rabin et al, "Two Homoeo Box Loci Mapped In Evolutionarily Related Mouse And Chromosomes," Nature, Vol. 314, 1985, pp. 175-178						an	
DM	Ried et al, "Direct carrier detection by in situ suppression hybridization with cosmid clone of the Duchenne/Becker muscular dystrophy locus," <u>Human Genetics</u> , Vol. 85, 1990, pp. 581-586 Ried et al, "Simultaneous Visualization of Seven Different DNA Probes by <i>In Situ</i> Hybridization Using Combinatorial Fluorescence and Digital Imaging Microscopy," <u>PNAS (USA)</u> , Vol. 89, Feb. 1992, pp. 1388-1392 Ruddle, "A New Era In Mammalian Gene Mapping: Somatic Cell Genetics And Recombinatorial DNA Methodologies," Nature, Vol. 294, 1981, pp. 115-120 Saint-Ruf et al, "Proto-Oncogene Amplification and Homogeneously Staining Regions in Human Breast Carcinomas," <u>Genes. Chromosomes & Cancer</u> , Vol. 2, (1990), pp. 18-26								
							/		
							ecombi	inant	
	Siracusa et al, "Use of Repetitive DNA Sequences To Distinguish Mus musculus and Mus caroli Cells By in situ Hybridization," J Embryol, exp. Morph., Vol. 73, 1983, pp. 163-178. Sondermeijer et al, "The Activity of Two Heat Shock Loci of Drosophila hydei In Tissue Culture Cells and Salivary Gland Cells as Analyzed by in situ Hybridization of Complementary DNA," Chromosoma, Vol. 72, 1979, pp. 281-291.								
								}	
	Steinemann, "Multiple Sex Chromosomes in <i>Drosophila miranda:</i> A System to Study th Degeneration of a Chromosome," <u>Chromosoma</u> , Vol. 86, 1982, pp. 59-76						16		
			<u>-</u>	ization of Ribosom er," <u>J. Mol. Biol.,</u> \		•	•		
EXAMINER	Ledin Mac	orled		DATE CONSIDERE	D				

INFORMATION DISCLOSURE			SURE	ATTORNEY'S DKT NO. 028723-016		APPLICATION No. 08/487,974	
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17700000000000000000000000000000000000				in the state of th	カード・マン くいいつちょくぶ	e de l'Arte de l'arte de la	
	Boyle et al, "Dif the Mouse Gene PNAS (USA), V Bufton et al, "A	fferential Distrome: Chromosol. 87, Oct. 19 Highly Polym	ibution of Loome Karyon 990, pp. 77 orphic Locu	s On Chromosom	erspersed cence <i>In S</i> e 16q Rev	Element Seq itu Hybridiza ealed By A I	tion," Probe From
	Bufton et al, "Fe	our Restriction	r Fragment	' <u>Human Genetics</u> Length Polymorph me 19," <u>Am J Hu</u>	isms Reve	aled By Prot	es From A
	Burk et al, "Organization and Chromosomal Specificity of Autosomal I Chromosome Repeated DNA," <u>Chromosoma</u> , Vol. 92, 1985, pp. 225-						f Human Y
	Buroker et al, "F	Four Restrictio	n Fragment	Length Polymorp some 12q," <u>Hum</u>	hisms Rev	ealed By Pro	bes From 1986,
	Coté et al, "Quantitation of in situ Hybridization of Ribosomal Ribonucleic Ac Diploid Cells," Chromosoma, Vol. 80, 1980, pp. 349-367						to Human
	Cremer et al, "P Hybridization of	Preparative Dua Cloned DNA	al-Beam Soi Probes," <u>Cy</u>	ting of the Human tometry, Vol. 5,	n Y Chrom 1984, pp.	osome and 572-579	n Situ
	Davies, "The Ap	oplication of D	NA Recomb	oinant Technology enetics, Vol. 58,	to the An	alysis of the	Human
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SHEET 2 OF 3

INFO	RMATION DISCLOSURE	ATTORNEY'S DKT No. 028723-016	APPLICATION No. 08/487,974					
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	PTO-1449	FILING DATE June 7, 1995	GROUP 1807					
	OTHER DOCUMENTS (Including Autho	r, Title, Dates Pertinent Pag	eseletor					
	Dennis et al, "Cytogenetics of the Parthenogenetic Grasshopper Warramaba virgo and Its Bisexual Relatives," Chromosoma, Vol. 82, 1981, pp. 453-469							
	Dutrillaux et al, "Characterization of Chromosomal Anomalies in Human Breast Cancer," Cancer Genet. Cytogenet., Vol. 49, (1990), pp. 203-217							
	Gerhard et al, "Localization Of a Unique Gene By Direct Hybridization in situ," PNAS, Vol. 78, 1981, pp. 3755-3759							
	Haase et al, "Detection of Two Viral Ger in Situ and Color Microradioautography,"							
	Holden et al, "Amplified Sequences from Chromosome 15, Including Centromeres, Nucleolar Organizer Regions, and Centromeric Heterochromatin, in Homogeneously Staining Regions in the Human Melanoma Cell Line MeWo," <u>Cancer Genet</u> . & <u>Cytogenet</u> ., Vol. 14, 1985, pp. 131-146							
	Houldsworth et al, "Comparative Genomic Hybridization: An Overview," Am. J. Pathology, Vol. 145, No. 6, 1994, pp. 1253-1260							
	Kallioniemi et al, "Comparative Genomic Hybridization for Molecular Cytogenetic Analysis of Solid Tumors," Science, Vol. 258, 1992, pp. 818-821 Kallioniemi et al, "Optimizing Comparative Genomic Hybridization for Analysis of DNA Sequence Copy Number Changes in Solid Tumors," Genes, Chromosomes & Cancer, Vol. 10, 1994, pp. 231-243 Krumlauf et al, "Construction and Characterization of Genomic Libraries From Specific Human Chromosomes," PNAS, Vol. 79, 1982, pp. 2971-2975 Kunkel et al, "Organization and Heterogeneity of Sequences Within A Repeating Unit Of Human Y Chromosome Deoxyribonucleic Acid," Biochem., Vol. 18, 1979, pp. 3343-3353 Landegent et al, "Fine Mapping Of The Huntington Disease Linked D4S10 Locus By Non-Radioactive In Situ Hybridization," Human Genetics, Vol. 73, 1986, pp. 354-357 Lichter et al, "Fluorescence In Situ Hybridization with Alu and L1 Polymerase Chain Reaction Probes for Rapid Characterization of Human Chromosomes in Hybrid Cell Lines," PNAS (USA), Vol. 87, Sept. 1990, pp. 6634-6638 Litt et al, "A Highly Polymorphic Locus In Human DNA Revealed By Probes From Cosmid 1-5 Maps To Chromosome 2q35-37," Am J Hum Genet, Vol. 38, 1986, pp. 288-296 Litt et al, "A Polymorphic Locus On The Long Arm Of Chromosome 20 Defined By Two Probes From A Single Cosmid," Human Genetics, Vol. 73, 1986, pp. 340-345							
	Malcolm et al, "Chromosomal Localization Of A Single Copy Gene By in situ Hybridization - Human & Globin Genes On The Short Arm Of Chromosome 11," Ann. Hum. Genet., Vol. 45, 1981, pp. 134-141							
	Nelson et al, "Genomic Mismatch Scanning: A New Approach To Genetic Linkage Mapping," Nature Genetics, Vol. 4, 1993, pp. 11-18							
EXAMINER		DATE CONSIDERED						

INFORMATION DISCLOSURE CITATION			ATTORNEY'S DKT 028723-016	No.	APPLICATION No. 08/487,974			
			APPLICANT Joe W. GRAY et al					
	PTO-1449			FILING DATE June 7, 1995		GROUP 1807		
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	OTHERIDOCI	MENTS (In	cluding Autho	r, Title, Date: Pen	inent Pag	es, Etc.)		
	Park et al, "Amplification, Overexpression, and Rearrangement of the <i>erb</i> B-2 Protooncoger in Primary Human Stomach Carcinomas," <u>Cancer Research</u> , Vol. 49, Dec. 1989, pp. 6605 6609							
	Pierce et al, " A Drosophila," Ch			epetitive DNA Seq 1, pp. 471-492	uence In	Isogenic Line	es of	
	Rabin, "Mapping Minimally Reiterated Genes On Diploid Chromosomes By In Situ Hybridization," thesis, Dept. of Biochemistry, Univ. III., 1982							
	Rabin et al, "Two Homoeo Box Loci Mapped In Evolutionarily Related Mouse And Human Chromosomes," Nature, Vol. 314, 1985, pp. 175-178 Ried et al, "Simultaneous Visualization of Seven Different DNA Probes by In Situ Hybridization Using Combinatorial Fluorescence and Digital Imaging Microscopy," PNAS (USA), Vol. 89, Feb. 1992, pp. 1388-1392 Ruddle, "A New Era In Mammalian Gene Mapping: Somatic Cell Genetics And Recombinar DNA Methodologies," Nature, Vol. 294, 1981, pp. 115-120 Saint-Ruf et al, "Proto-Oncogene Amplification and Homogeneously Staining Regions in Human Breast Carcinomas," Genes, Chromosomes & Cancer, Vol. 2, (1990), pp. 18-26 Siracusa et al, "Use of Repetitive DNA Sequences To Distinguish Mus musculus and Muscaroli Cells By in situ Hybridization," J Embryol. exp. Morph., Vol. 73, 1983, pp. 163-178 Sondermeijer et al, "The Activity of Two Heat Shock Loci of Drosophila hydei In Tissue Culture Cells and Salivary Gland Cells as Analyzed by in situ Hybridization of Complementary DNA," Chromosoma, Vol. 72, 1979, pp. 281-291						i Human	
							combinant	
							Tissue	
				s in <i>Drosophila mii</i> osoma, Vol. 86, 1		-	udy the	
				zation of Ribosom er," <u>J. Mol. Biol.,</u> \	•	•		
EXAMINER	DATE CONSIDERED							